

180 tons used as mixer. Ingots are sent to the rolling mills at New Glasgow.

WILLIAM CAMPBELL,
Secretary

COLUMBIA UNIVERSITY,
NEW YORK

THE SOCIETY FOR EXPERIMENTAL BIOLOGY AND
MEDICINE

THE thirtieth meeting of the society was held at the College of Physicians and Surgeons, October 21, 1908, with President Lee in the chair.

Members present: Alsberg, Atkinson, Auer, Banzhaf, Burton-Opitz, Crile, Dakin, Ewing, Famulener, Flexner, Gies, Harris, Jobling, Joseph, Kast, Lee, Levene, Levin, Lusk, Mandel (A. R.), Meltzer, Meyer, Morgan, Noguchi, Opie, Park, Pearce, Shaffer, Terry, Van Slyke, Weil, Wells, Wolf.

Members elected: C. C. Guthrie, E. P. Lyon and Mazyck P. Ravenel.

*Scientific Program*¹

"Studies on the Chemistry of Anaphylaxis," H. Gideon Wells.

"Further Observations on the Clinical Aspects of Hemolysis," George W. Crile.

"The Behavior of Alanin in Metabolism," A. I. Ringer and Graham Lusk.

"An Important Source of Error in Heller's Test for Urinary Protein," William Weinberger (by invitation).

"A Clamp for Direct Transfusion of Blood" (a demonstration), Isaac Levin.

"The Further Separation of Antitoxin from its Associated Protein in Horse Serum," Edwin J. Banzhaf.

"Multiple Tumors in Mice," J. W. Jobling.

"On Plastein," D. D. Van Slyke and P. A. Levene.

"The Action of Bile and Some of its Constituents upon Intestinal Peristalsis and the Circulation," Isaac Ott and John C. Scott.

"The Uric Acid Excretion of Normal Men," Paul J. Hanzlik and Philip B. Hawk.

"Hemolysins in the Sera of Carcinoma and Syphilis," S. Peskind (by invitation).

¹ Authors' abstracts of the papers read before the Society for Experimental Biology and Medicine are published in the *Proceedings of the Society for Experimental Biology and Medicine*. A number is issued shortly after each meeting, and costs twenty cents a copy. Copies may be obtained from the managing editor, William J. Gies, 437 West 59th Street, New York.

"The Effect of Instilling Adrenalin Chloride into the Mammalian Eye," W. H. Schultz (by invitation).

"Successful Canine Infection with Cultures of *Leishmania infantum* (Ch. Nicolle)," Frederick G. Novy.

"New Apparatus for Use in Metabolism Work" (a demonstration), William J. Gies.

WILLIAM J. GIES,
Secretary

THE BIOLOGICAL SECTION OF THE ACADEMY OF
SCIENCE AND ART OF PITTSBURG

At a regular meeting of the section on December 1, Mr Richard R. Hice, of Beaver, Pa., spoke on the "Preglacial Drainage of Western Pennsylvania." Mr. Hice gave a concise summary of the work of Carll, White, Foshay, Jillson, Leverett, Campbell and Hice on the drainage of this part of the state. As outlined by him, the history of the region has been as follows: In the late Tertiary there existed a fairly well-developed river system draining northward into the Erie basin through the upper Ohio and Beaver valleys. This system was destroyed by the advance of the Kansan ice, which dammed the rivers, forming Lake Monongahela. The water was thus raised to such a height that it spilled over the divide below Wheeling, and the formation of the present Ohio was begun. A period of uplift followed, during which the rivers draining toward the southwest cut their channels far below the present level of the river bottoms. During the later part of the Wisconsin ice-advance and following the retreat of the ice, there was a settling of the land and the valleys were filled to a point above the present stream level with glacial debris. At the present time the streams are engaged in lowering their beds in these sands and gravels.

PERCY E. RAYMOND,
Secretary

THE ELISHA MITCHELL SCIENTIFIC SOCIETY OF THE
UNIVERSITY OF NORTH CAROLINA

THE 180th meeting of the society was held in Chemistry Hall on Tuesday, November 10, 1908, 7:30 P.M. The program was as follows:

"A Trip to Europe for Geographical Study" (illustrated with lantern slides), Professor Collier Cobb.

"A Rapid Method for Determination of Oil in Cotton-seed Products," Professor Chas. H. Herty.

ALVIN S. WHEELER,
Recording Secretary